

Soft Grippers Robotics Market Analysis, Market Size, and Worldwide Demand 2029

[Soft Grippers Robotics market](#) report presents thorough information about the global industry comprising of valuable figures and stats. Moreover, the report contains records starting from the base year (2022) and stretches until the forecast period (2023-2029). This market research report has set a bench-marking example for such a vibrant market that explores several recommendations and practical growth strategies in relation to the market. The market report covers a wide spectrum of regions and also focuses on key regions that include North America, Europe, Asia Pacific, Middle East, South America, and the Middle East & Africa (MEA).

Global soft grippers robotics market was valued at USD 682.30 million in 2021 and is expected to reach USD 5600.07 million by 2029, registering a CAGR of 30.10% during the forecast period of 2022-2029. In addition to the insights on market scenarios such as market value, growth rate, segmentation, geographical coverage, and major players, the market reports curated by the Data Bridge Market Research also include in-depth expert analysis, geographically represented company-wise production and capacity, network layouts of distributors and partners, detailed and updated price trend analysis and deficit analysis of supply chain and demand.

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Product definition

A soft robot is made up of deformable matter such as gels, fluids and elastomers and is created to address the problems that normal robots cannot address. The rheological and elastic properties of the soft robots allow them to adapt the desired shape, withstand obstacles, and perform a broad range of tasks even in harsh environmental conditions. The end-effectors fabricated in the soft gripper robots are made up of flexible and soft components and can grasp or manipulate large variety of objects thereby, increasing the effectiveness and the efficiency of soft robots.

Some of the major players operating Soft Grippers Robotics market are

- CYBERDYNE INC. (Japan)
- Ekso Bionics (U.S.)
- FANUC CORPORATION (Japan)
- FRANKA EMIKA GmbH (Germany)
- GLI Technologies (Germany)
- Piab AB (Sweden)
- ReWalk Robotics (U.S.)
- RightHand Robotics, Inc. (U.S.)
- Rolls-Royce (U.K.)
- SynTouch Inc. (U.S.)
- Ubiros (U.S.)
- Universal Robots (Denmark)
- TECHMAN ROBOT INC. (Taiwan)
- ABB (Switzerland)

- KUKA AG (Germany)
- YASKAWA ELECTRIC CORPORATION. (Japan)
- AUBO (BEIJING) ROBOTICS TECHNOLOGY CO., LTD (Beijing)
- INDIA KAWASAKI MOTORS PVT. LTD. (Japan)
- Ekso Bionics (U.S.)
- F&P Robotics AG (Switzerland)
- Kawada Industries Inc. (Japan)

Key Market Segments Covered in Soft Grippers Robotics Market Industry Research

Type

- Welding Guns
- Grippers
- Tool Changers
- Suction Cups
- Clamps
- Others

Components

- Hardware
- Software

End-User

- Medical and Healthcare
- Food and Beverages
- Logistics
- Entertainment and Gaming
- Automotive
- Survey and Exploration
- Others

Soft Grippers Robotics Market Regional Analysis/Insights

The soft grippers robotics market is analyzed and market size insights and trends are provided by type, components and end-user as referenced above.

The countries covered in the soft grippers robotics market report are U.S., Canada and Mexico in North America, Germany, France, U.K., Netherlands, Switzerland, Belgium, Russia, Italy, Spain, Turkey, Rest of Europe in Europe, China, Japan, India, South Korea, Singapore, Malaysia, Australia, Thailand, Indonesia, Philippines, Rest of Asia-Pacific (APAC) in the Asia-Pacific (APAC), Saudi Arabia, U.A.E, South Africa, Egypt, Israel, Rest of Middle East and Africa (MEA) as a part of Middle East and Africa (MEA), Brazil, Argentina and Rest of South America as part of South America.

North America dominates the soft grippers robotics market because of presence of major market players and easy availability of technically skilled personnel within the region.

Asia-Pacific is expected to witness significant growth during the forecast period of 2022 to 2029 due to the rising number of automated manufacturing units and the presence of warehouses and distribution channels within the region.

The country section of the report also provides individual market impacting factors and changes in regulation in the market domestically that impacts the current and future trends of the market. Data points like down-stream and upstream value chain analysis, technical trends and porter's five forces analysis, case studies are some of the pointers used to forecast the market scenario for individual countries. Also, the presence and availability of global brands and their challenges faced due to large or scarce competition from local and domestic brands, impact of domestic tariffs and trade routes are considered while providing forecast analysis of the country data.

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Drivers

- **Rising demands for soft-gripper robots**

The rising adoption of soft-grippers across various sectors fuels the market growth. The soft gripper robots have a wide range of applications and usages. They can handle a wide array of irregular shapes and delicate items, making it ideal for pick and place applications in food and beverages sectors. Moreover, the soft-grippers offer various advantages such as flexibility, high-efficiency and integrated automation. All these factors are expected to drive the growth of the soft grippers robotics market over the forecasted period.

- **Rising Automation in the Food and Beverages Sector**

Rising automation in the food and beverages industry is the main factor driving the growth of the soft grippers robotics market over the forecasted period. It can handle wide array of irregular shapes and delicate items, making it ideal for pick and place applications in food and beverages sectors. The rising demand for food automation has increased significantly due to the pandemic. Food processors grappling with the shortage of the labor, food safety regulations and certain other factors are driving the growth of the soft grippers robotics market over the forecasted period.

Opportunities

- **Growing Penetration and modernization**

The growing penetration of soft grippers robotics market among various sectors across the globe and the rising modernization are the factors estimated to generate lucrative opportunities for the market, which will further expand the soft grippers robotics market's growth rate in the future. The emerging class of the soft, versatile, elastically soft robots can be used across various end-users such as food and beverages, automotive, packaging and manufacturing and others. All these factors are expected to generate lucrative opportunities for the market over the forecasted period.

Restraints/Challenges

- **High costs and maintenance**

The installation cost and increased maintenance are the major factors expected to obstruct the market's growth over the forecasted period. These factors are projected to create challenges for the soft grippers robotics market over the forecast period.

- **Lack of awareness**

Lack of awareness regarding the soft robotics and its applications in the developing countries is also a major factor hindering the growth of the soft grippers robotics market over the forecasted period.

This soft grippers robotics market report provides details of new recent developments, trade regulations, import-export analysis, production analysis, value chain optimization, market share, impact of domestic and localized market players, analyses opportunities in terms of emerging revenue pockets, changes in market regulations, strategic market growth analysis, market size, category market growths, application niches and dominance, product approvals, product launches, geographic expansions, technological innovations in the market. To gain more info on the soft grippers robotics market contact Data Bridge Market Research for an Analyst Brief, our team will help you take an informed market decision to achieve market growth.

How does this Soft Grippers Robotics Market Insights Help?

- [Soft Grippers Robotics Market](#) share (regional, product, application, end-user) both in terms of volume and revenue along with CAGR
- The Key parameters which are driving this market and restraining its growth
- What all challenges manufacturers will face as well as new opportunities and threats faced by them
- To learn about the market strategies that are being adopted by your competitors and leading organizations
- To Increase insightful analyses of the market and have a comprehensive understanding of the “Soft Grippers Robotics Market” and its commercial landscape

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Queries Resolved in This Report:

1. Which will be the specialties at which Soft Grippers Robotics Market players profiling with intensive designs, financials, and furthermore, ongoing headways should set nearness?
2. Which will be the foreseen development rates for your own Soft Grippers Robotics economy out and out and furthermore for each portion inside?
3. Which will be the Soft Grippers Robotics application and sorts and estimate joined intently by makers?
4. Which will be the dangers which will attack growth?
5. The length of the Soft Grippers Robotics market opportunity?
6. How Soft Grippers Robotics Market share advance vacillations their value from various assembling brands?

WHO SHOULD BUY THE SOFT GRIPPERS ROBOTICS REPORT?

People looking to enrich the decision-making capability by following points must buy the report:

1. Breakdown of market share of the top Soft Grippers Robotics industry players
2. Evaluations of market share for the regional and country level sectors
3. Estimation of Soft Grippers Robotics market for the forecast period of all the aforementioned classes, sub classes, and the domestic markets
4. Tactical recommendation for the newbies
5. Tactical recommendation in primary business industries based on the Soft Grippers Robotics market forecast

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Data Bridge Market Research set forth itself as an unconventional and neoteric Market research and consulting firm with unparalleled level of resilience and integrated approaches. We are determined to unearth the best market opportunities and foster efficient information for your business to thrive in the market. Data Bridge endeavours to provide appropriate solutions to the complex business challenges and initiates an effortless decision-making process. Data Bridge is an aftermath of sheer wisdom and experience which was formulated and framed in the year 2015 in Pune.

Data Bridge Market Research has over 500 analysts working in different industries. We have catered more than 40% of the fortune 500 companies ly and have a network of more than 5000+ clientele around the globe. Data Bridge adepts in creating satisfied clients who reckon upon our services and rely on our hard work with certitude. We are content with our glorious 99.9 % client satisfying rate.

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